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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/685,196	10/10/2000	Timothy R. Miller	195273US8	4307
23400	7590	04/28/2006	EXAMINER	
POSZ LAW GROUP, PLC				CHANG, EDITH M
12040 SOUTH LAKES DRIVE				
SUITE 101				
RESTON, VA 20191				
				ART UNIT
				PAPER NUMBER
				2611

DATE MAILED: 04/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Response to Rule 312 Communication</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/685,196	MILLER ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Edith M. Chang	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1.  The amendment filed on 04 April 2006 under 37 CFR 1.312 has been considered, and has been:

- a)  entered.
- b)  entered as directed to matters of form not affecting the scope of the invention.
- c)  disapproved because the amendment was filed after the payment of the issue fee.  
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d)  disapproved. See explanation below.
- e)  entered in part. See explanation below.



KHAI TRAN  
PRIMARY EXAMINER

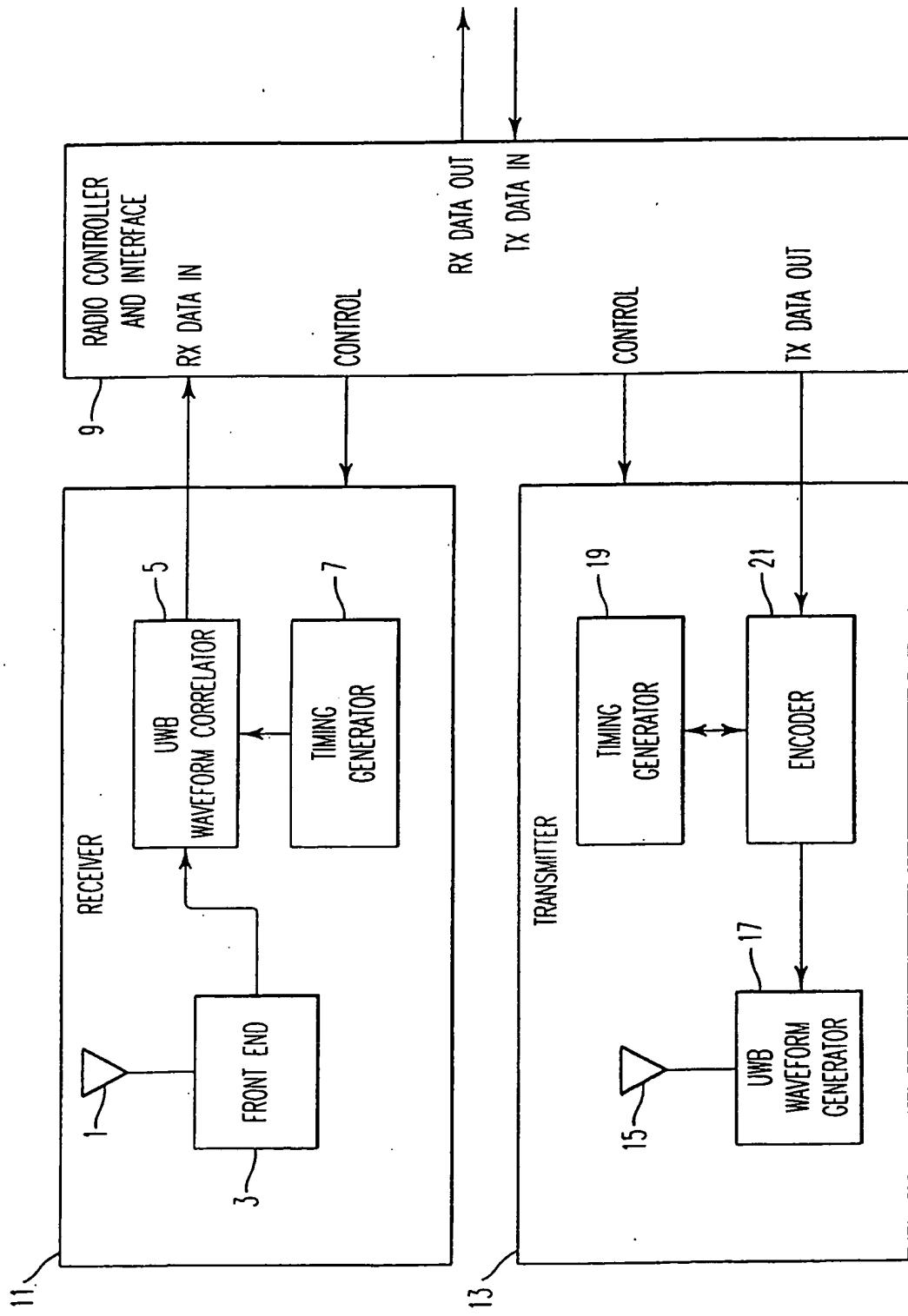
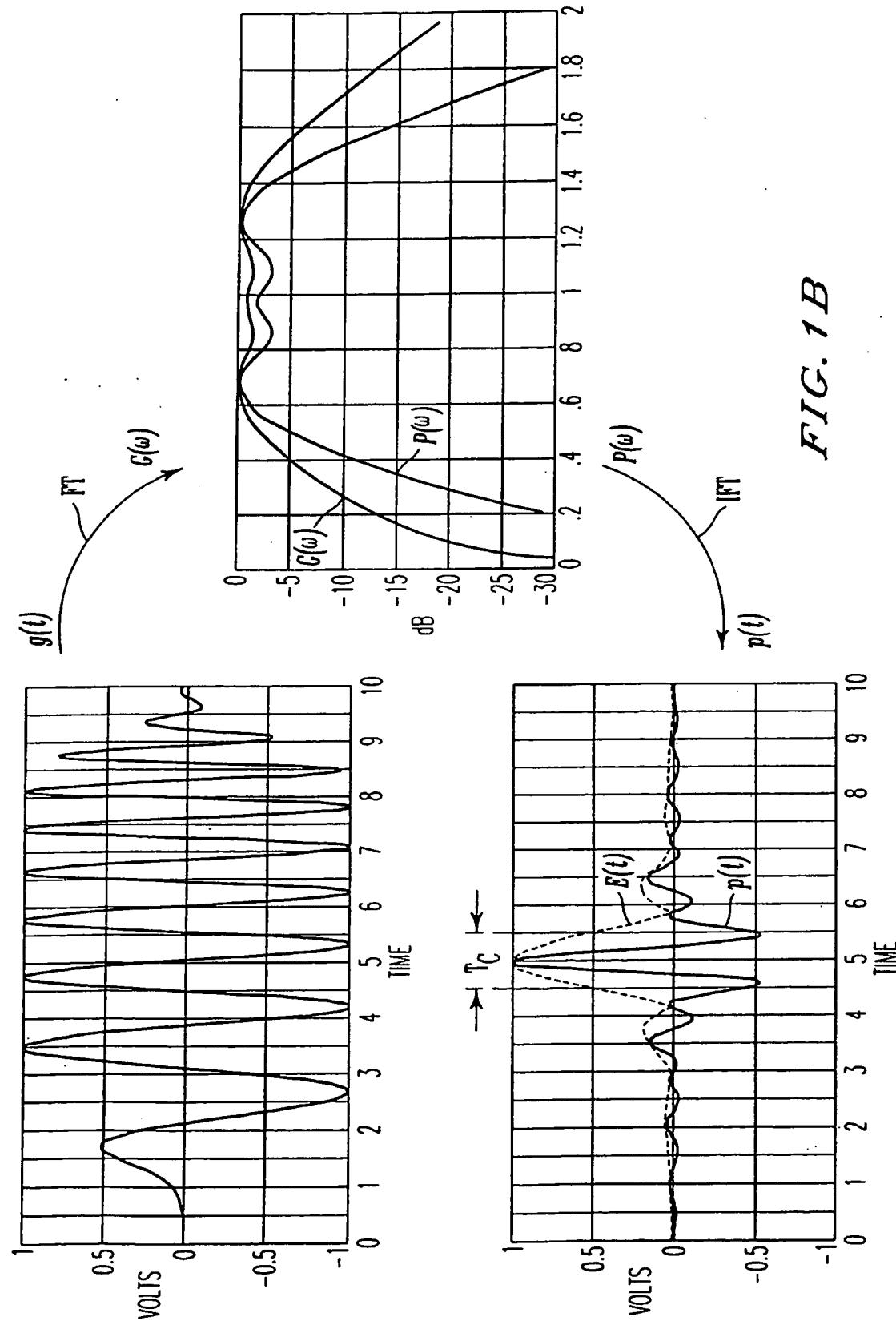


FIG. 1A



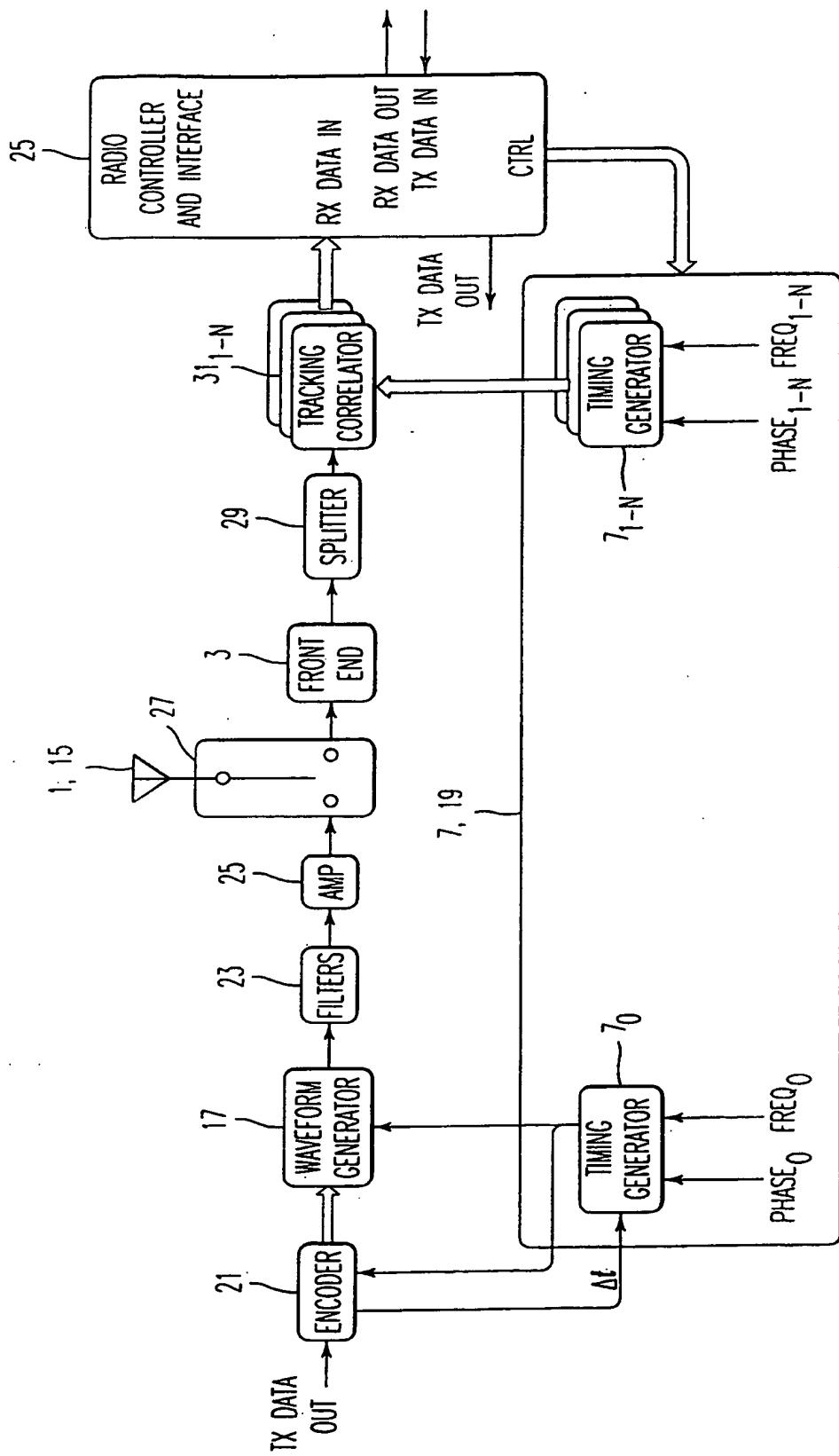
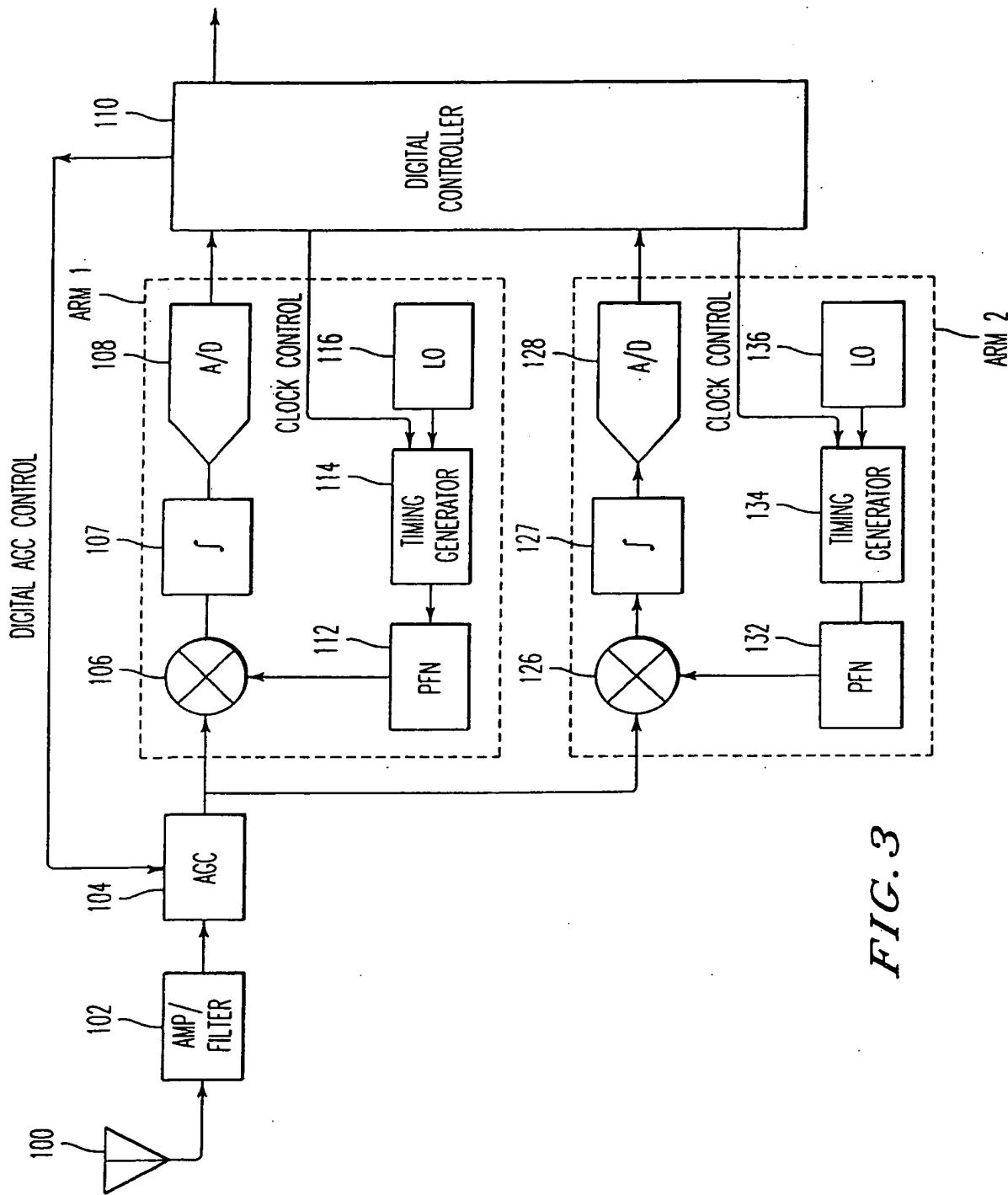
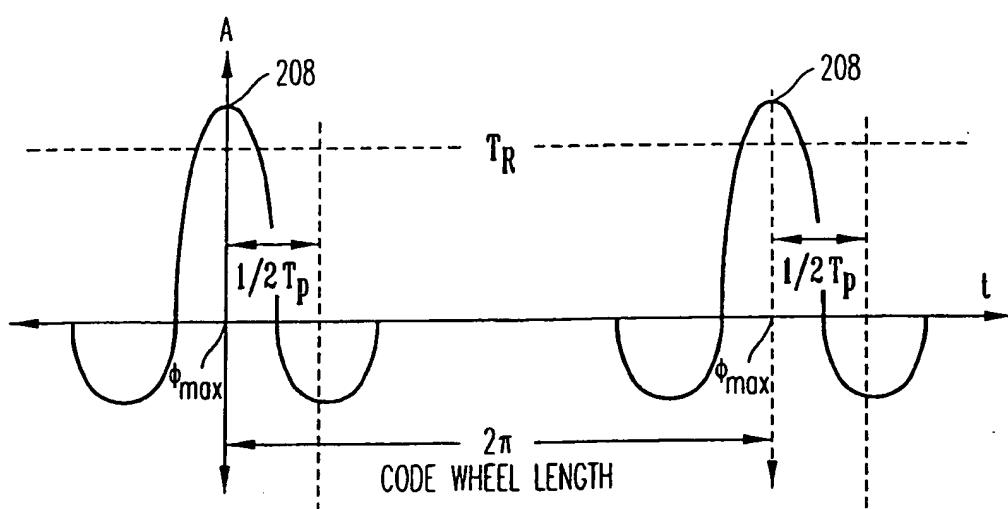
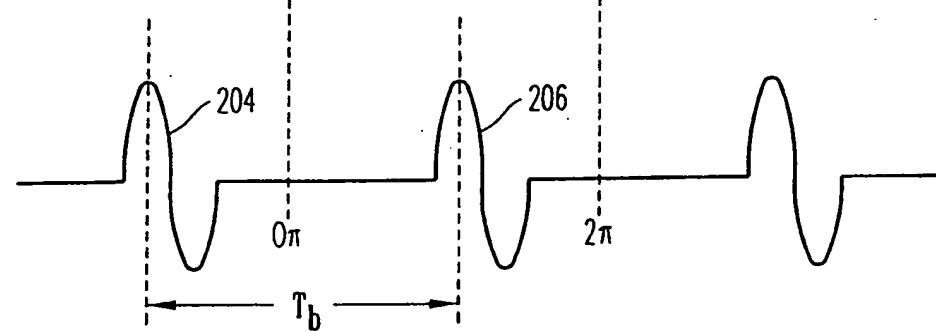
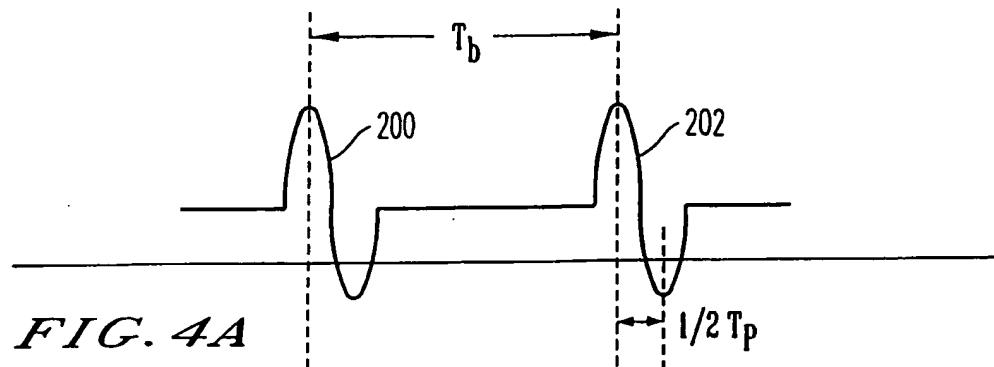


FIG. 2





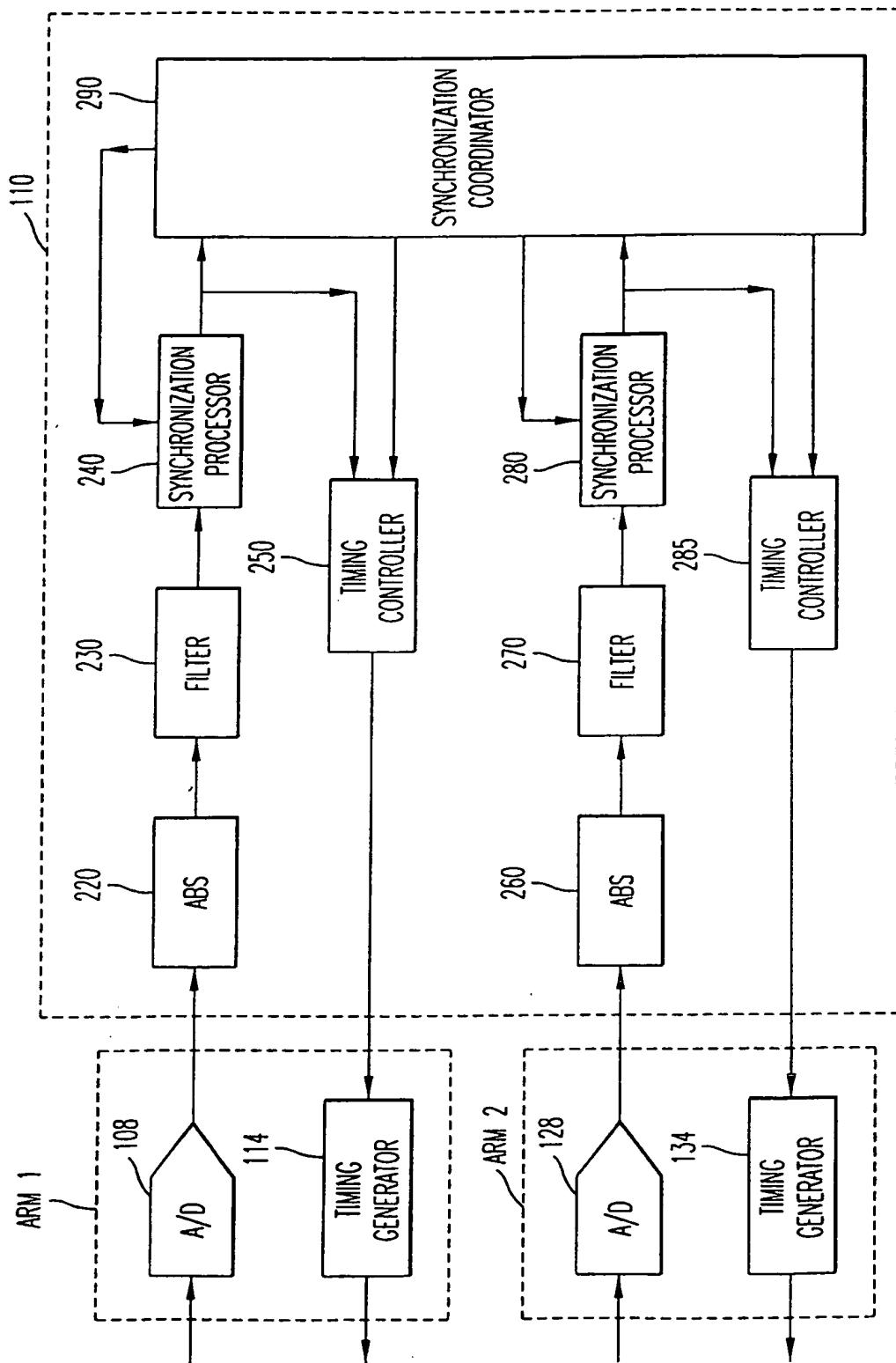


FIG. 4D

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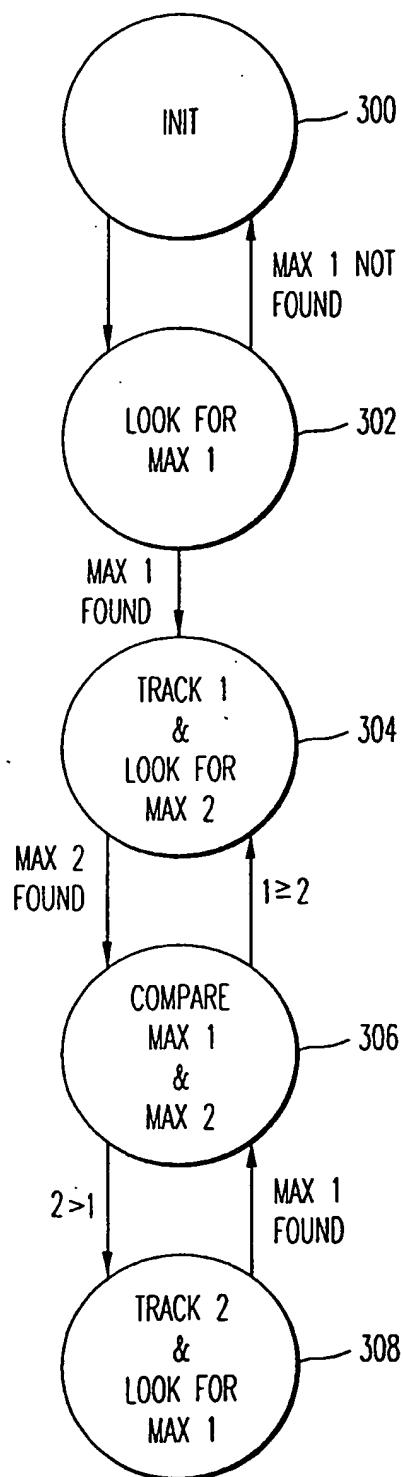


FIG. 5

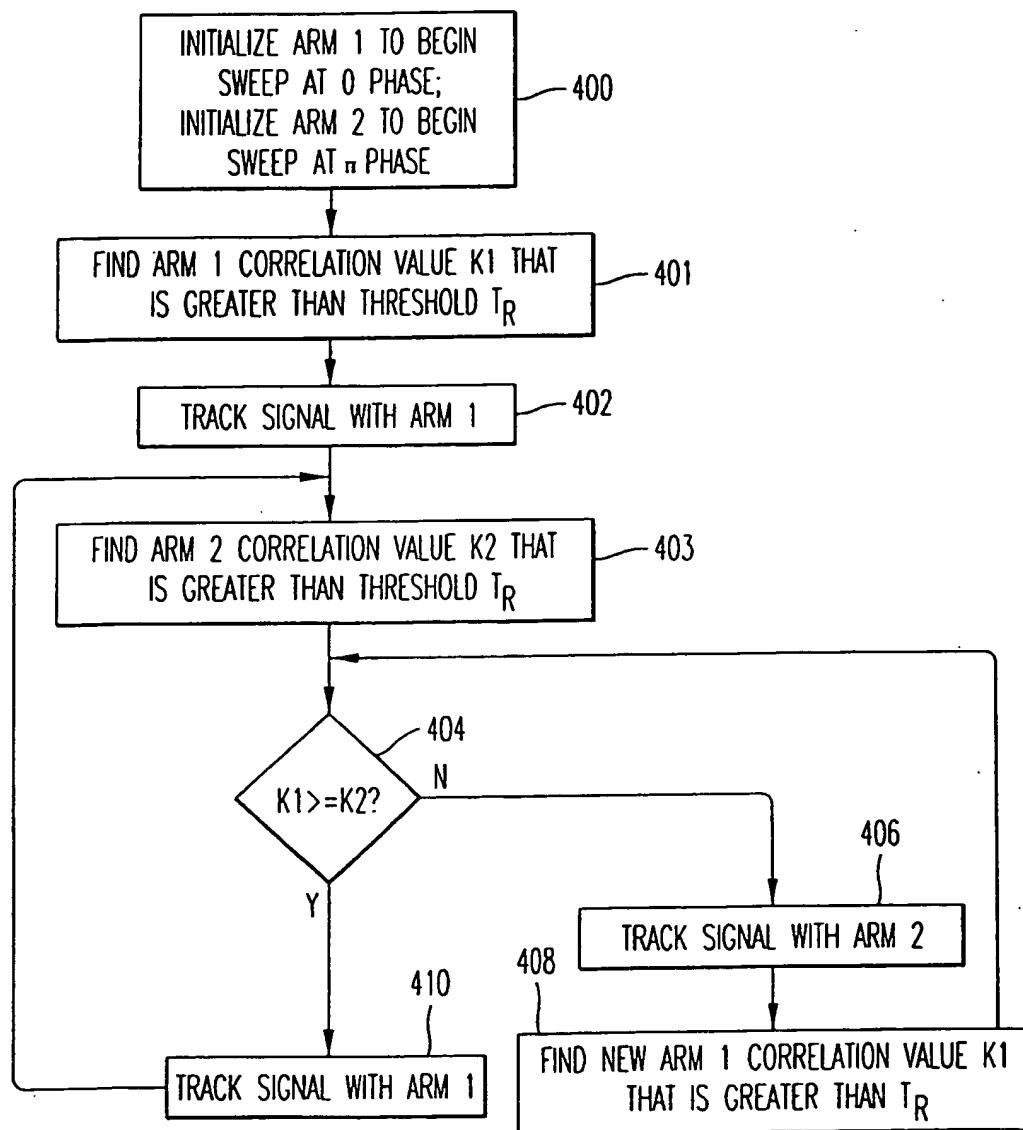
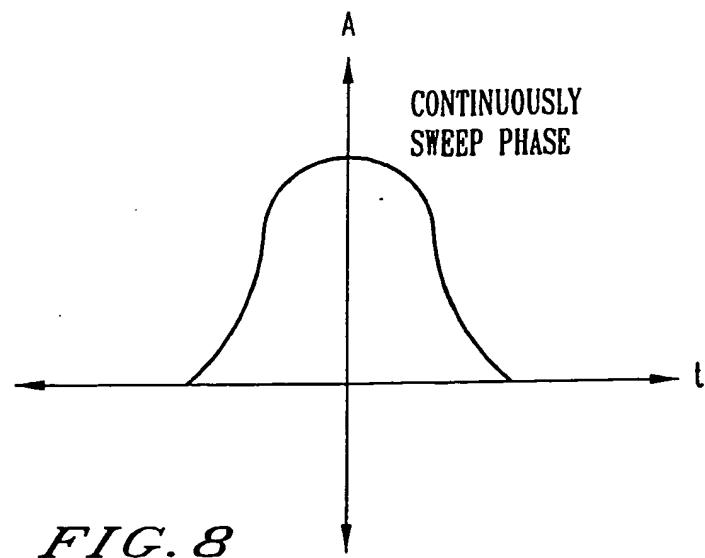
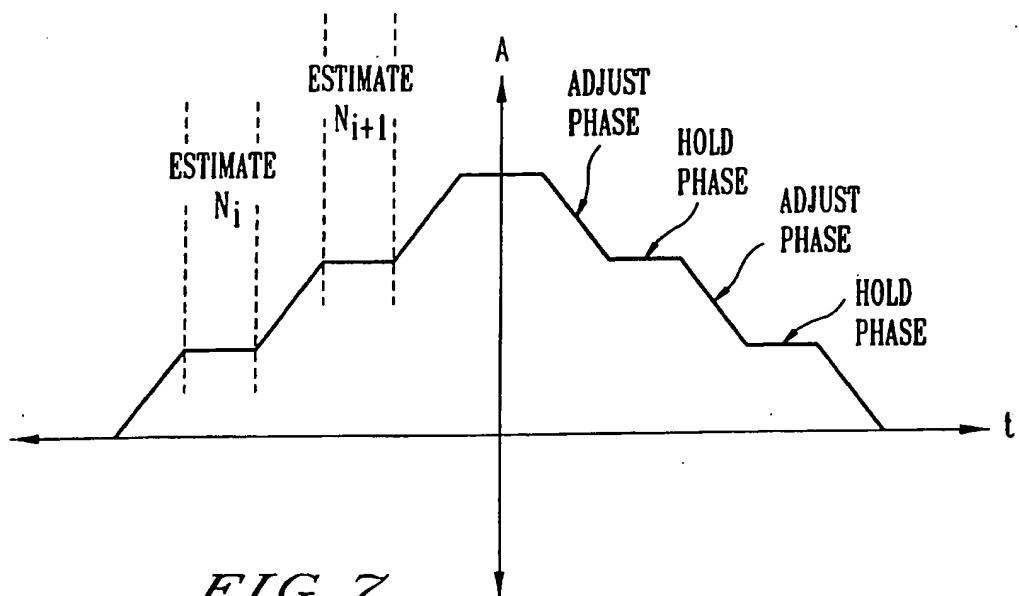


FIG. 6

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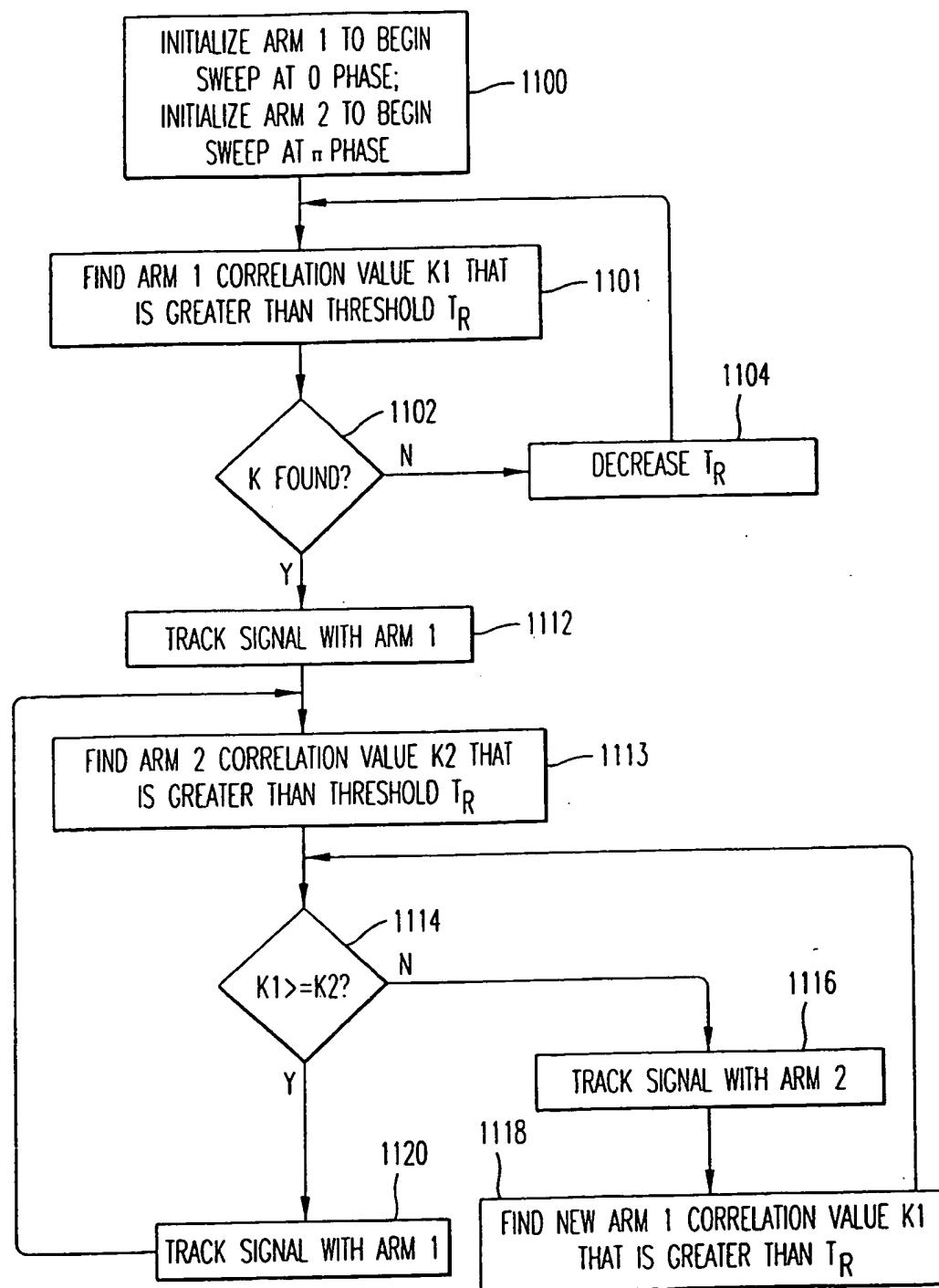


FIG. 9

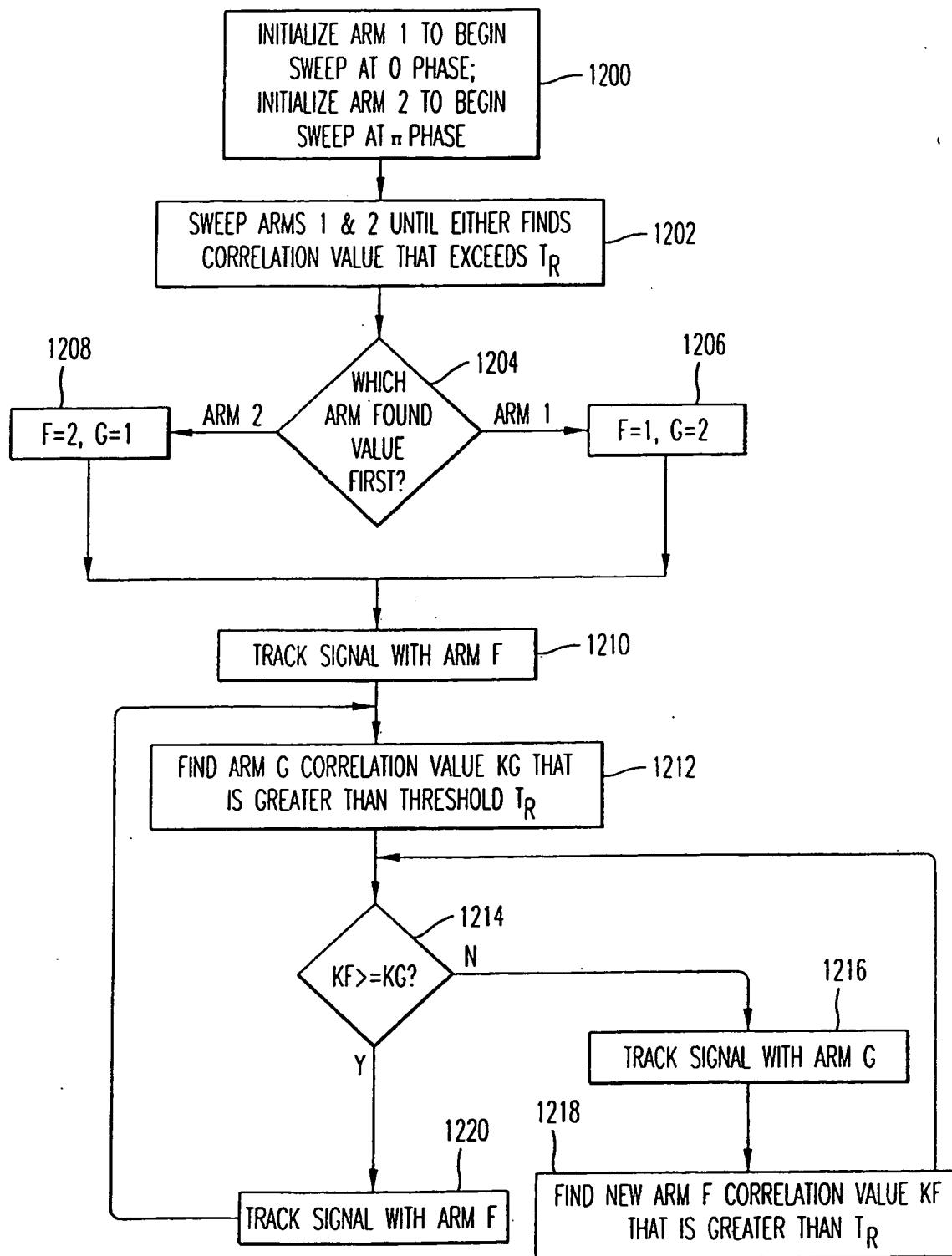


FIG. 10

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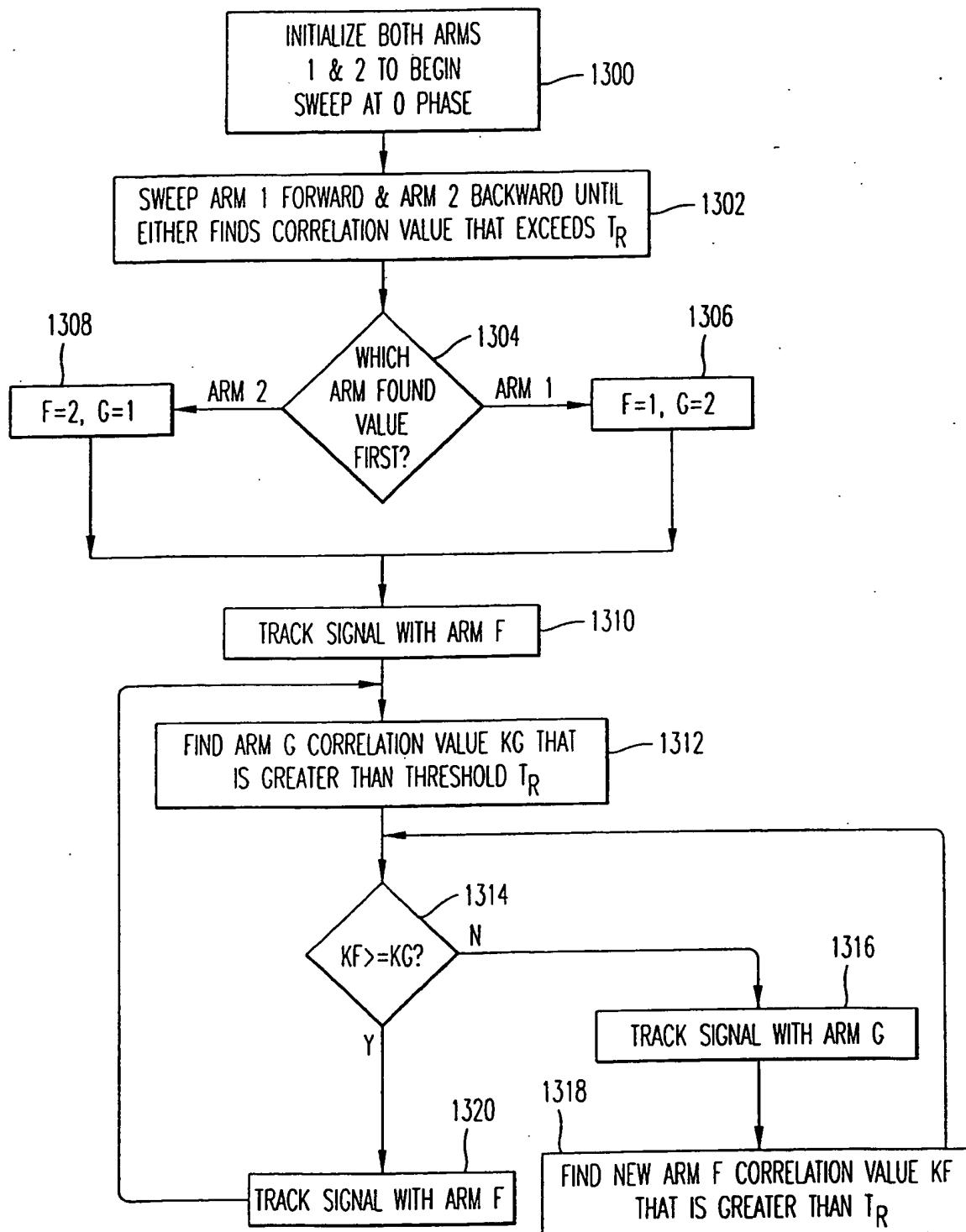


FIG. 11

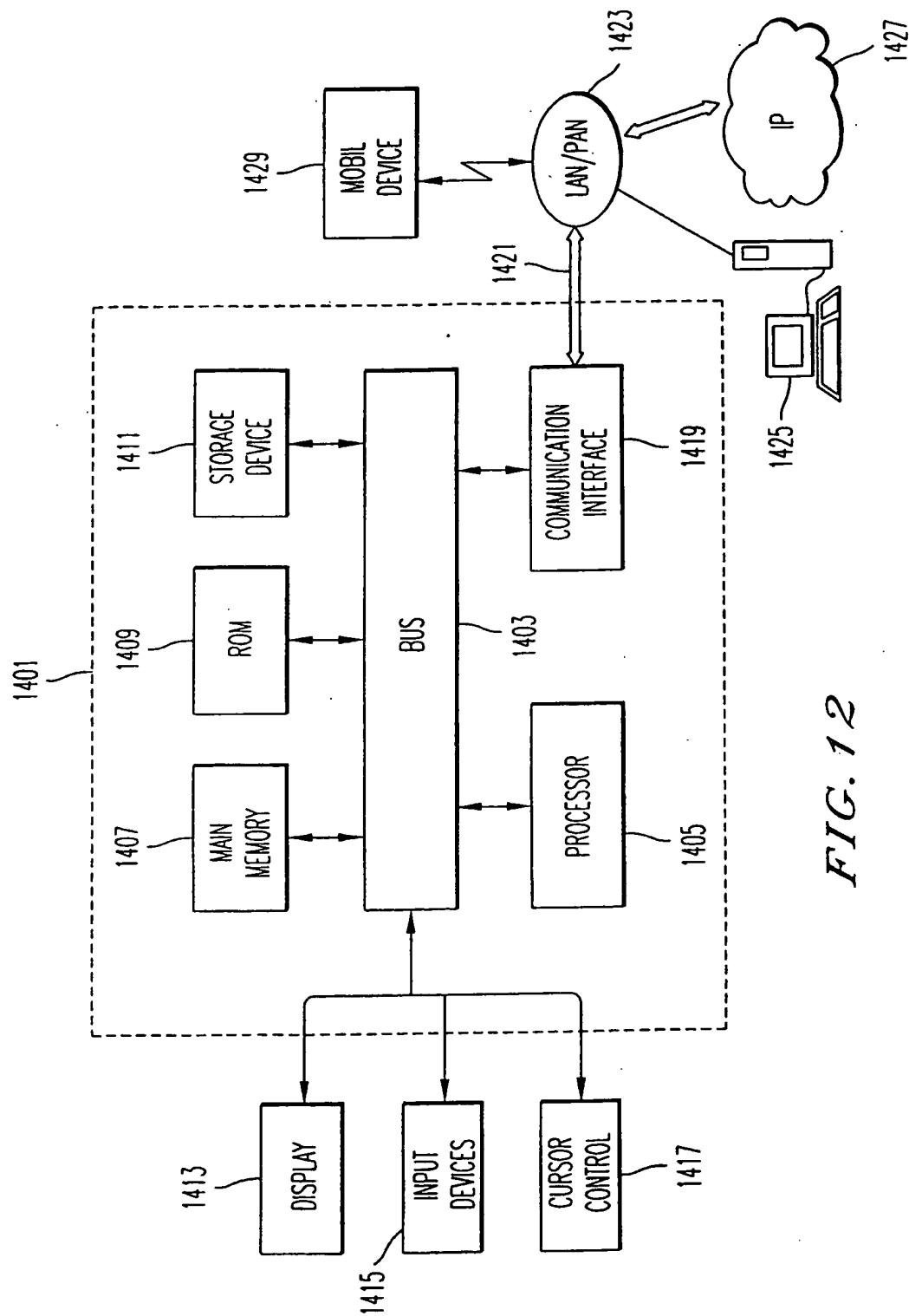


FIG. 12

FIG. 13A

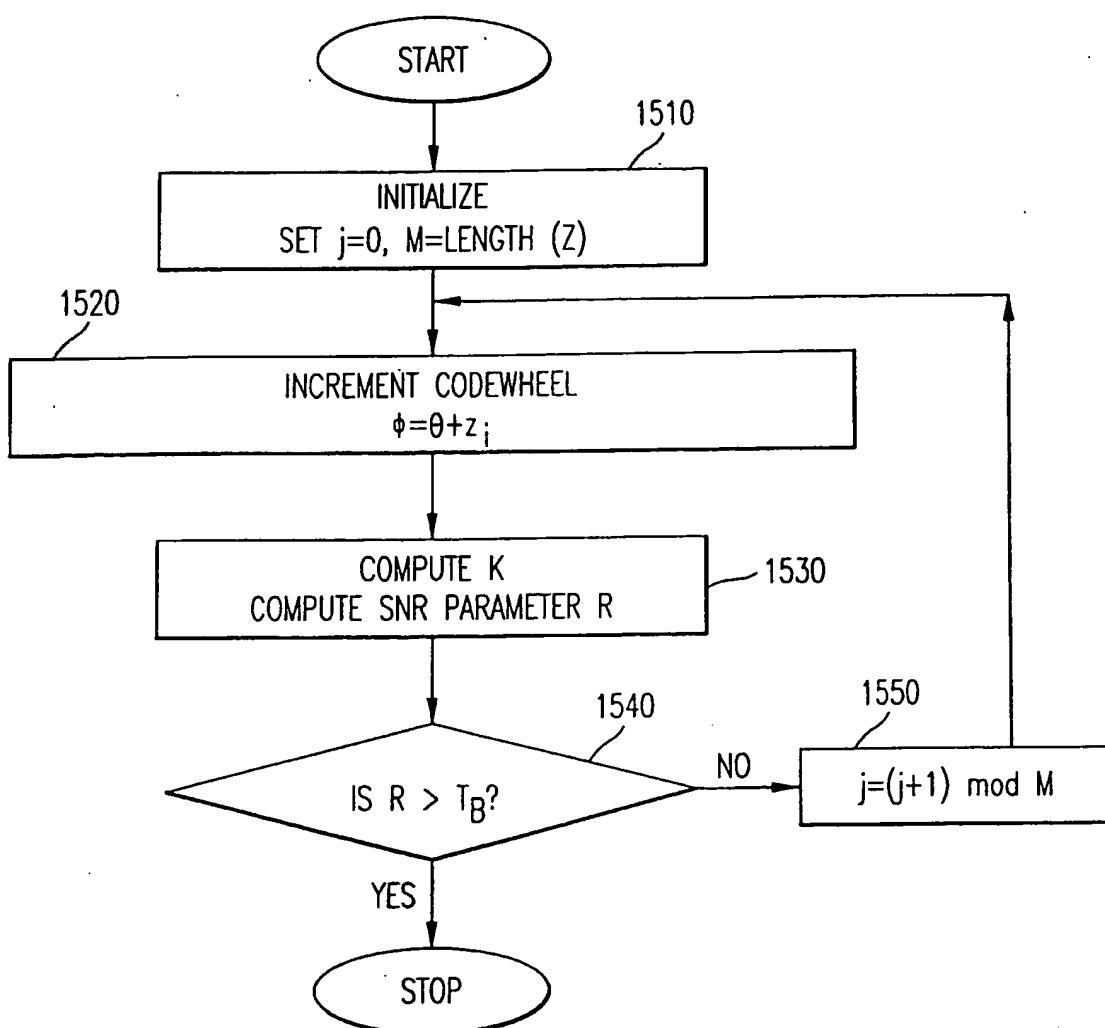
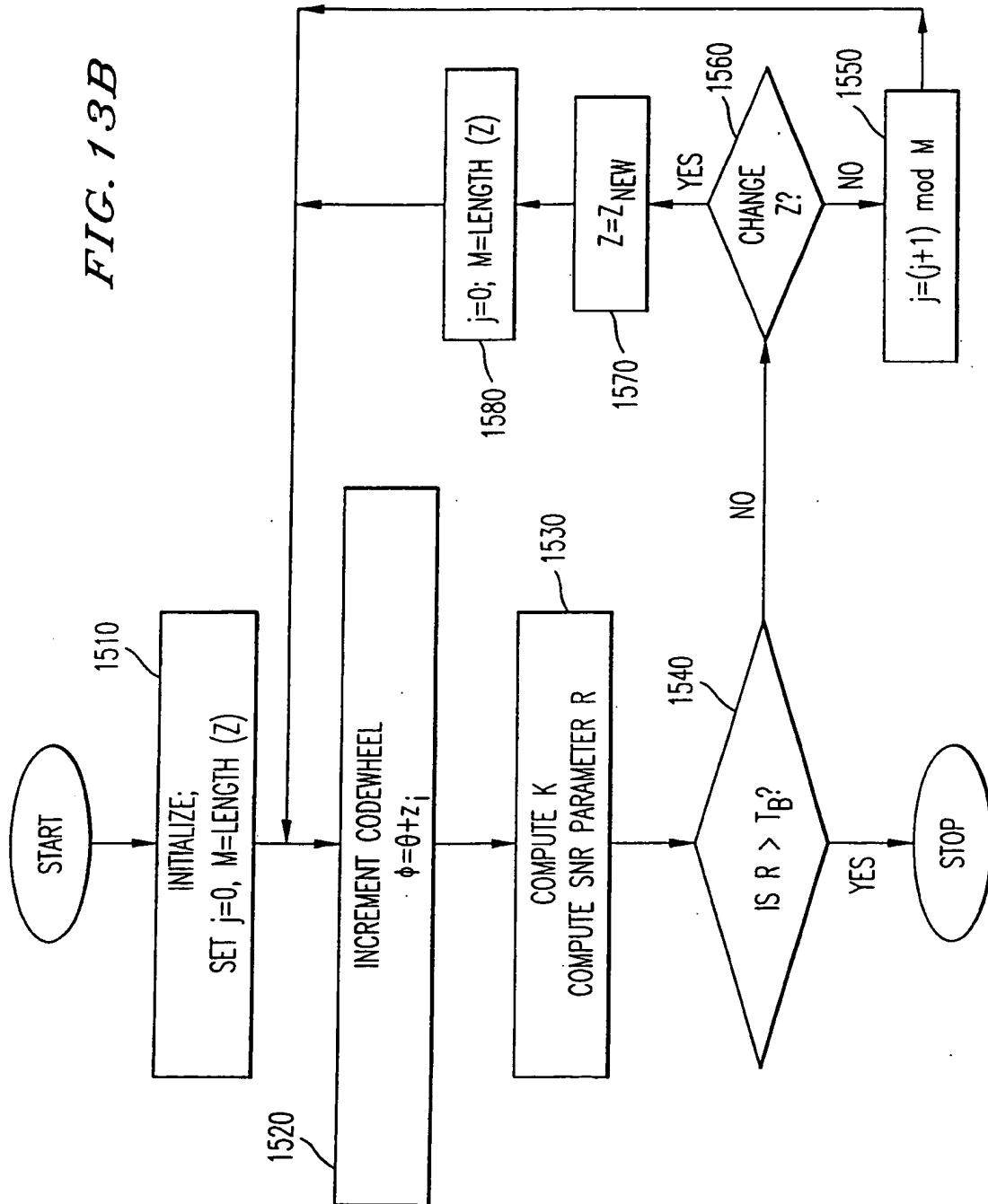
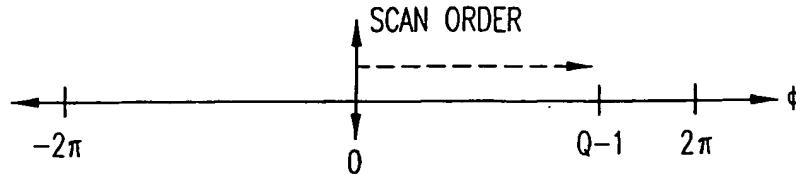


FIG. 13B



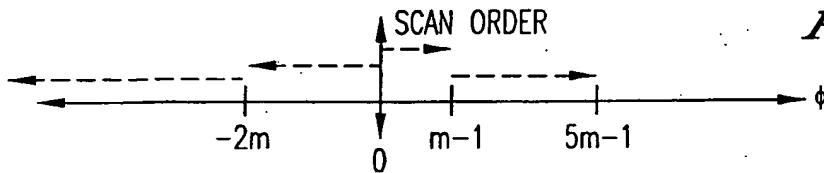
$Z1 = \{0, n, 2n, 3n, \dots, Q-3, Q-2, Q-1\}$ .

FIG. 14A



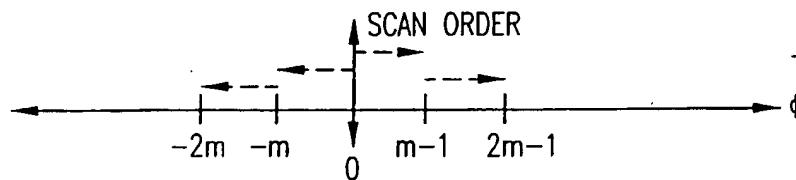
$Z2 \text{ (FIRST EXAMPLE)} = n^* \{[0, m-1], [-1, -2m], [m, 5m-1], [-2m-1, -10m], \dots, (Q-1)/n\}$ .

FIG. 14B



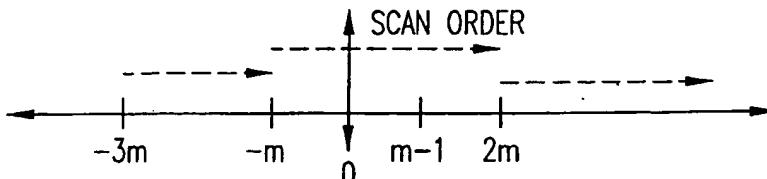
$Z2 \text{ (SECOND EXAMPLE)} = \{0, n, 2n, \dots, (m-1)^*n, -n, -2n, \dots, -m^*n, m^*n, (m+1)^*n, (m+2)^*n, \dots, (Q-1)\}$ .

FIG. 14C



$Z2 \text{ (THIRD EXAMPLE)} = \{-m^*n, (-m+1)^*n, (-m+2)^*n, \dots, -n, 0, n, \dots, m^*n, (m+1)^*n, (m+2)^*n, \dots, 2m^*n, (-3m)^*n, (-3m+1)^*n, (-3m+2)^*n, \dots, (-m-1)^*n, (2m+1)^*n, (2m+2)^*n, \dots, (Q-1)\}$ .

FIG. 14D



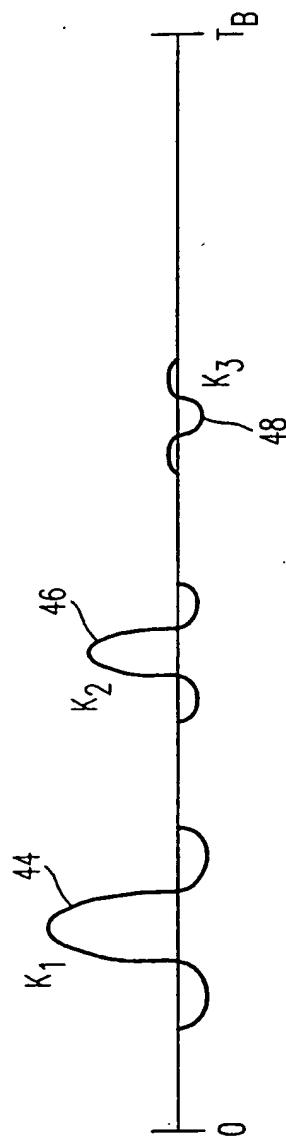
WHERE FOR FIGS. 14A, 14B, 14C, AND 14D:

$Q$ =TOTAL NUMBER OF CODEWHEEL INCREMENTS IN EACH CODEWHEEL SPIN. THE MAXIMUM CODEWHEEL SPIN IS A COMPLETE ( $2\pi$ ) CODEWHEEL SPIN, BUT OTHER CODEWHEEL SPINS ARE AVAILABLE;

$n$ =AN ARBITRARY LOCAL PARAMETER THAT CONTROLS HOW FAST THE CODE WHEEL SPINS DEPENDING ON THE TIME INCREMENT STEP SIZE; AND

$m$ =A NUMBER OF INCREMENTS LESS THAN THE TOTAL NUMBER OF INCREMENTS.

FIG. 15



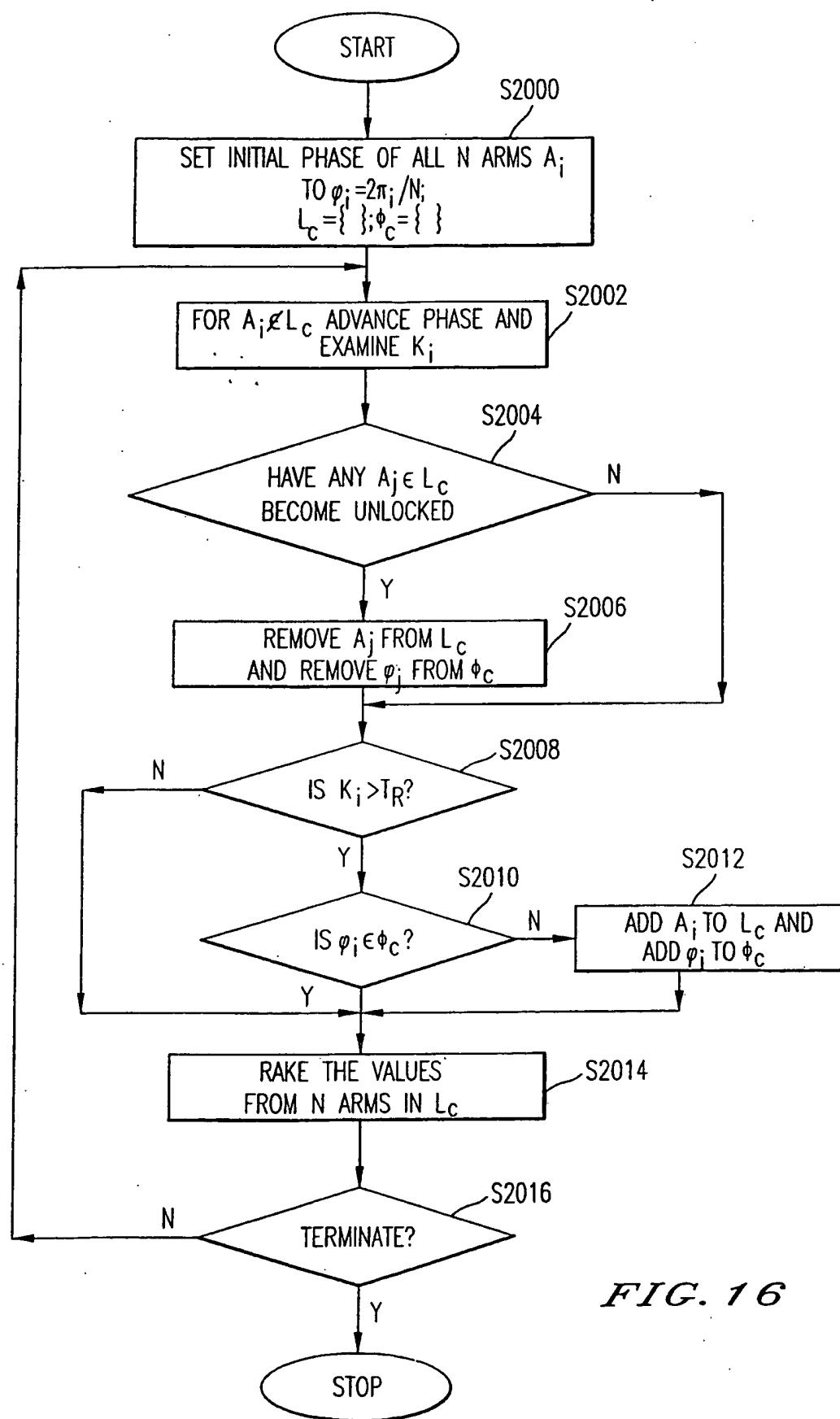


FIG. 16

FIG. 17A

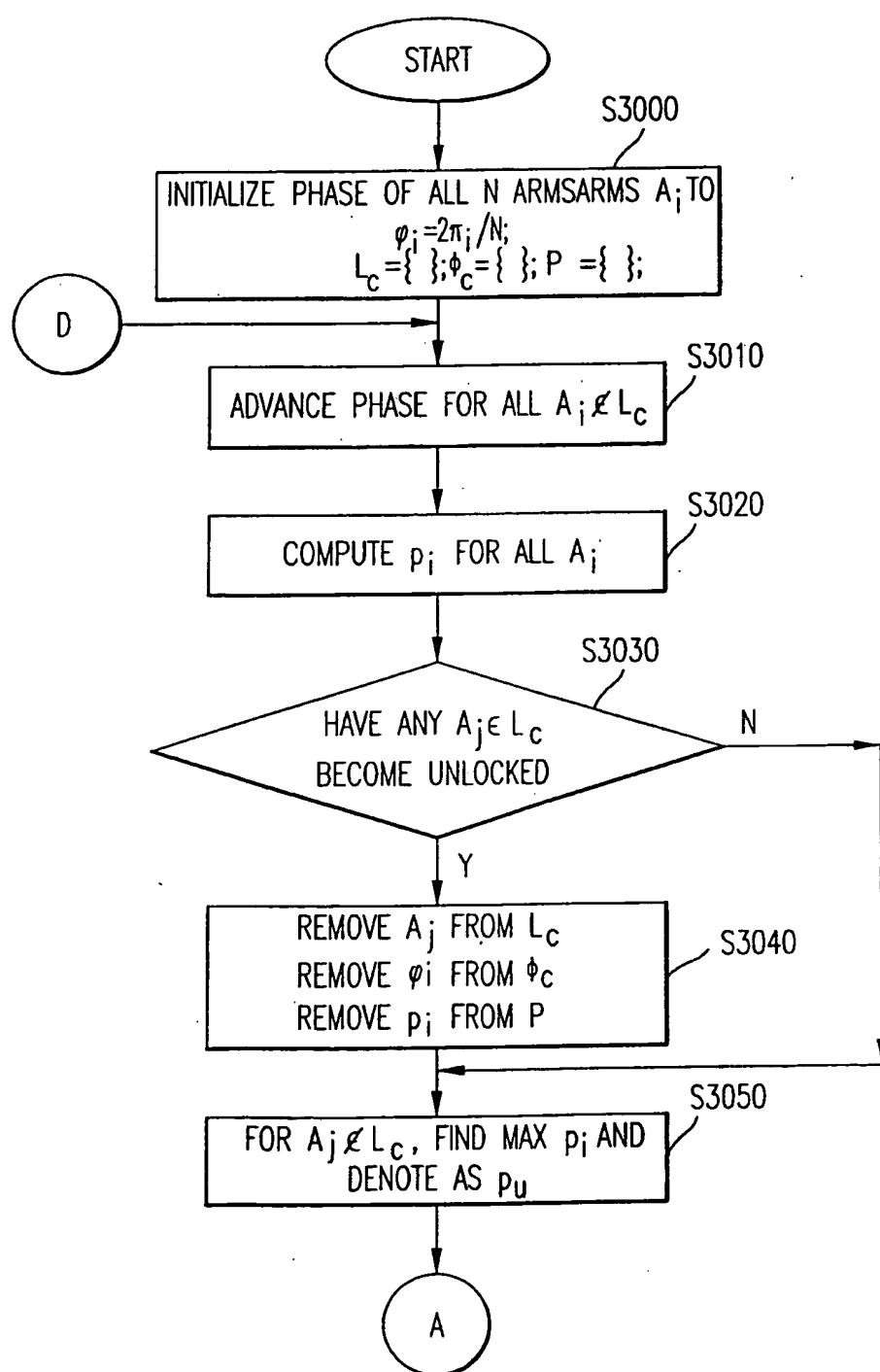


FIG. 17B

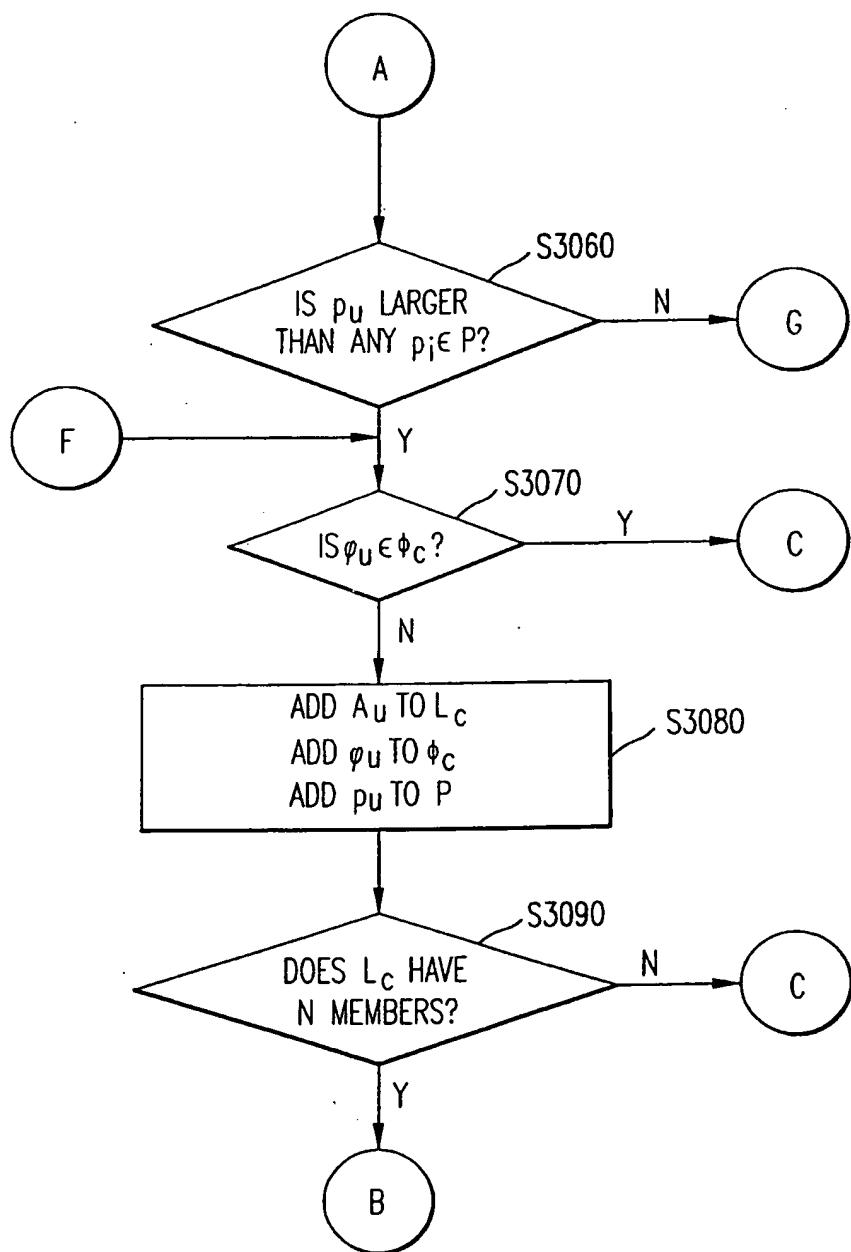


FIG. 17C

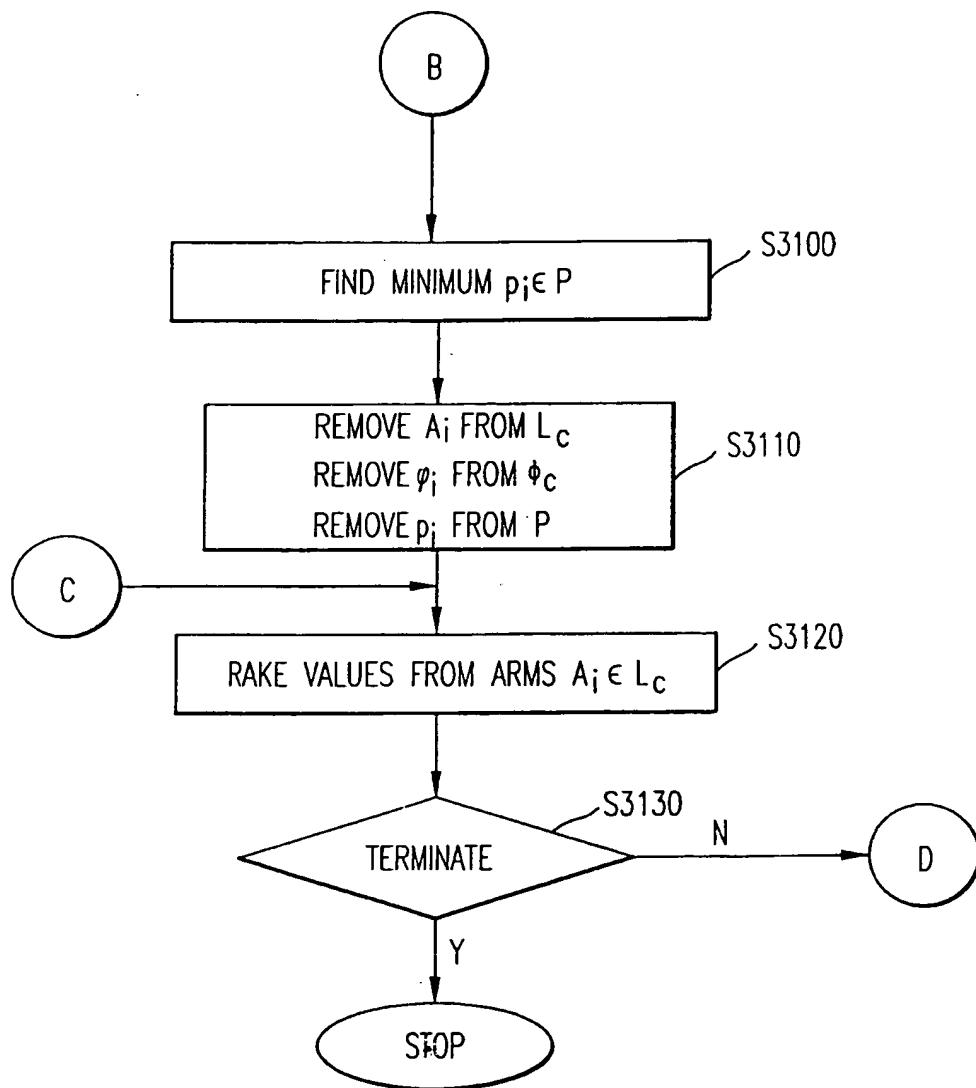


FIG. 17D

